

METHODS AND SYSTEMS FOR PROMOTING VENTRICULAR PACING

5 ABSTRACT OF THE DISCLOSURE

A device and method for multi chamber pacing a patient's heart having heart failure and intrinsic conduction, wherein ventricular tracking is used to pace the ventricle when the sinus rate exceeds a preset atrial maximum tracking rate. The ventricular tracking pacemaker increases the range of pacing the ventricle. The
10 ventricular tracking minimizes the loss of ventricular pacing caused by intrinsic conduction when the sinus rate is below an atrial maximum tracking rate, and it induces a new ventricular pacing behavior for sinus rates above the atrial maximum tracking rate without any significant pacing hysteresis as the sinus rate returns towards the lower rate limit.